



State of Montana Data Center News

January 4, 2010

Editor: Wendy Wheeler

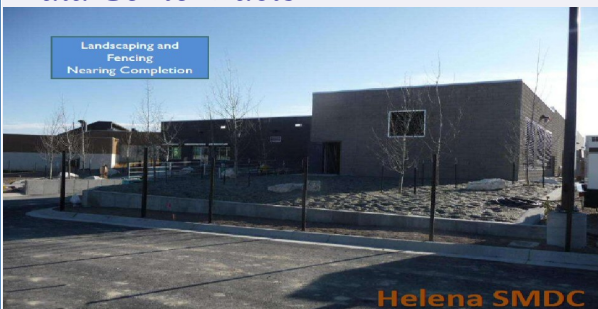
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Volume 1

SMDC Newsletter Launched

Welcome to the launching of the State of Montana Data Center Newsletter. The newsletter was created to keep all those engaged in the standup of the Data Centers a monthly view into what's going on. Our team looks forward to bringing you information on the ever changing face of the new data centers here in Helena and in Miles City. The stories will bring you information on progress made to occupy the centers, decisions and directions set, as well as general stories on those who are working to make it happen. We invite you to let us know what you'd like to read about. Send story ideas to tstuart@mt.gov

Data Center Facts



HELENA SMDC

Specifications:

- 15000 sq ft building
- Contains 6200 sq ft of raised floor computer room
- Can house 13 rows of racks
- Has 576 strand redundant fiber connections to Campus WAN
- Is cooled by the KyotoCooling® - "the most innovative cooling technology in the world"
- Was designed by Total Site Solutions – designers of 3,000 data centers worldwide
- Design incorporates:
 - Critical Infrastructure DOD Security Standards
 - Leadership in Energy and Environmental Design (LEED)
 - Green Building Rating System

Innovative Approach to Cooling

Data Centers more often than not consume more power to cool the storage and server equipment housed within its four walls than it takes to operate them. In fact, .7 to 1.5 times the electrical draw of a data center is usually reserved for cooling. Montana's new Helena data center will be doing things a bit differently, utilizing a new cooling approach called the KyotoWheel® system. The approach was discovered by our very own Mike Krings. Mike attended a presentation of the Kyoto system and saw it's potential for the State data center to meet the Governor's 2010 initiative. The Kyoto system will take advantage of the cool air that is available to us most of the year allowing the unit to exchange cool air for the warm air that is inside the data center. The only power required for the fans that move large volumes of air and a motor that is used to rotate the heat transfer wheels that absorb the hot air of the data center. The system also includes conventional cooling equipment for those hot summer days. In short the State has a state-of-the-art cooling system that will provide the State with efficient cooling at a reasonable rate.



MILES CITY SMDC

Specifications:

- 8500 sq ft building
- Contains 2800 sq ft raised floor computer room
- Can house up to 6 rows of racks
- Design incorporates:
 - Critical Infrastructure DOD Security Standards
 - Leadership in Energy and Environmental Design (LEED)
 - Green Building Rating System

Send your story ideas to: tstuart@mt.gov

For more info visit <http://stateitpmo.mt.gov/Projects/SMDC>

Project Directives

What are Project Directives? Project Directives are formal decisions that have been made by the project's Core Team. It is a formal way of documenting and issuing notice on the decision. Who issues them? Directives are issued by the Project Director, once the item has been brought up before the project Core Team and a decision has been handed down by the team. Why is it important to issue Directives? Directives are important because they formally lay out the direction that is to be taken by a team, how it is to be done, who is to do the work and finally where the funds to pay for the work are coming from.

Directives Issued to Date

0709-01 Project Billable Hours

0909-01 Fiber Installation

0911-01 Network Design

Copies of these Directives are available on the project Share Point Site @ [Project Appointments and Directives](#)

"The SMDC is truly an amazing facility that will improve the security of the state's critical computing infrastructure and that is a good thing for the citizens of Montana who will all benefit from the services that will be supported from this facility."

~ Warren Dupuis, ITSD

SMDC Project Teams

FEATURED TEAMS

Steering Committee: The Steering Committee leverages the experiences, expertise, and insight of key individuals at stakeholder organizations. Steering Committee members are not directly responsible for managing project activities, but provide support and guidance for those who do.

Core Team: The Core Team leverages their experiences, expertise, and insight in direct support of the project's goals and objectives. While Core Team members are not directly responsible for managing project activities, they are directly responsible for ensuring that project resources are available and business driven decisions.

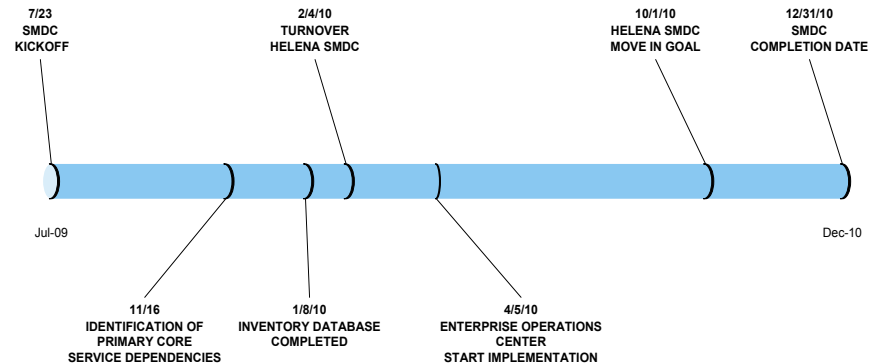
Planning Team: The primary function of the Planning Team is to review project status, plan for schedule refinement and to be the first audience previewing subject matter presentations before going to the Core Team.

Individual Teams: The primary function of the Individual Teams is to provide the SMDC Planning Team a comprehensive understanding of what should be undertaken to ensure that all ITSD equipment, hosted and maintained applications, and all agency maintained applications are successfully moved out of the Mitchell Building and into the new State of Montana Data Center (Helena).

Timeline

State of Montana Data Centers Project Timeline

Update: 12/24/09



Meet the SMDC Steering Committee Members



FEATURED MEMBER

Ron Baldwin, PMP

Administrator and CIO
Montana DPHHS
Technology Services Division

Ron Baldwin is currently the Chief Information Officer of the Montana Department of Public Health and Human Services and the Administrator of its Technology Services Division. Ron is responsible for overseeing the management, implementation, and operations of information systems and infrastructure that directly support programs promoting the health and welfare of Montana citizens. These responsibilities include establishing and implementing strategic IT goals and objectives for the department. He is currently directing more than \$200 million of IT system development and maintenance projects.

Ron is a certified Project Management Professional with more than 26 years of experience in information technology, managing, designing and developing IT solutions for business and government. Of this experience, 17 years are in the state government arena with 12 years focused on health and human service programs.